

# Ultra-Low On-Resistance, 6A Dual Channel Load Switch with adjustable soft-start

## 1. General Description

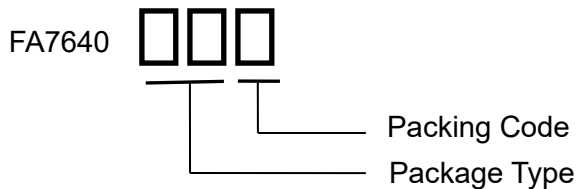
The FA7640 is a small, ultra-low RON, dual channel supports a maximum continuous current of 6A per channel. Each switch is independently controlled by an on/off input (ON1 and ON2), which is capable of interfacing directly with low-voltage control signals.

In FA7640, a 90Ω on-chip load resistor is added for quick output discharge when switch is turned off.

### Features

- 20mΩ On-resistance per Channel
- 6A Continuous Current
- Soft start time programmable by External capacitor
- Wide Input Voltage Range (VIN): 0.8V to 5.5V
- Supply Voltage Range (VBIAS): 2.5V to 5.5V
- Output Discharge when Switch Disabled
- Reverse Current Blocking when Switch Disabled
- Enable control
- Halogen Free and Green Devices (RoHS Compliant)

### Ordering Information



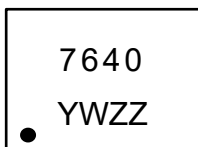
Package Type

OT: DFN 2x3mm<sup>2</sup>-14L

Packing Code

R: Tape & Reel

### Marking Information



7640: Product Code

Y: Year 2023→J、2024→K

W: Week 01~26→A~Z、27~52→a~z、53→0

ZZ: Series Code